

GRAIN TRANSPORTATION REPORT

Transportation & Marketing, Agricultural Marketing Service United States Department of Agriculture

JULY 10, 2003

TM GRAIN TRANSPORT COST				<u>O</u>	<u>cean</u>
INDICATORS	<u>Truck</u>	<u>Rail</u>	<u>Barge</u>	Gulf	PNW
Indicator Value* for 07/10	96	122	87	140	166
Compared to Last Week	1		•	•	
*Indicator: Base Year 2000=100; W	eekly Updates	include Truc	k=Diesel; Rail=	Nearby Sec	condary Rail

*Indicator: Base Year 2000=100; Weekly Updates include Truck=Diesel; Rail=Nearby Secondary Rai Market; Barge=Spot Illinois River Basis; Ocean Vessel based on Routes to Japan

July 13-18	28 th Annual Summer Ports, Waterways, Freight And International Trade Conference	Portland, Oregon	Joedy Cambridge 202-334-2000 jcambridge@ngs.edu
July 20-22	U.S. Grains Council, 43 rd Annual Board of Directors Meeting; 4 th International Grain Marketing Conference And Trade Show	Minneapolis, MN	202-789-0789 (ph) 202-898-0522 (fax) grains@grains.org
July 27-30	America Agricultural Economics Association Annual Meeting	Montreal, Quebec Canada	515-233-3202
Sept. 10-12	Greater New Orleans Barge Fleeting Assoc. 2003 River & Marine Industry Seminar	New Orleans, LA	Alan Savoie 985-783-6605 (ph) www.gnobfar.com
Sept. 24-26	National Waterways Conference Annual Meeting	Houston, TX	202-296-4415 (ph) 202-835-3861
Sept. 28-Oct. 3	2003 American Association of Port Authorities (AAPA) Annual Convention	Curacao, Netherlands Antilles	703-684-5700 (ph) 703-684-6321 info@aapa.ports.org
Oct. 18-21	National Assoc. Of Wheat Growers (NAWG) Fall Board Meeting	Minneapolis, MN	202-547-7800 (ph) 202-546-2638 (fax) wheatworld@wheatworld.org
Oct. 19-22	American Trucking Association (ATA) Mgmt. Conference & Exhibition	San Antonio, TX	888-333-1759 (ph) 703-838-1700 (fax)

Grain Transportation Report Ends Hard Copy. With alternate means of disseminating news and data, this will be the final hard copy issue of this report. Through our website (www.ams.usda.gov/tmd/grain.htm) and electronic mailing, we will be able to provide information more quickly and effectively. Please contact us if you decide you would like to be included on our e-mail list (karl.hacker@usda.gov)

Report is prepared by Deen Olowolayemo, Johnny Hill and Karl Hacker, Agricultural Economists, Transportation & Marketing, Agricultural Marketing Service, USDA (202) 690-1304. Support provided by Upper Great Plains Transportation Institute, North Dakota State University. This report can be found on the Internet at www.ams.usda.gov/tmd/grain.htm. E-mail comments and guestions to Surgindeen Olowolayemo@usda.gov

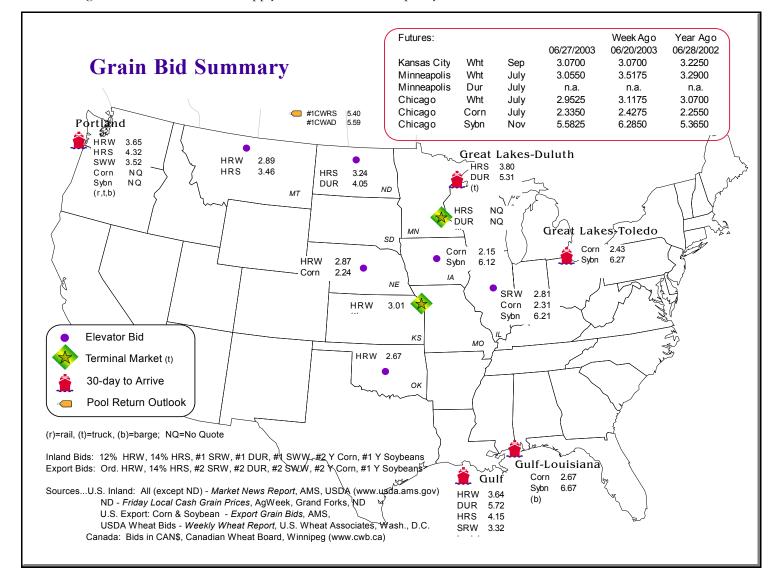
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Container	

The Grain Transportation Report is a weekly news source for grain logistics. Detailed data and trend information on five major modes: barge, truck, rail, container, and vessel, provide timely insight into grain transport. The report is offered to policymakers and industry as a tool in day-to-day decision making and longer-term strategic planning for an effective and efficient U.S. grain logistics system.

Market Update: U.S. Origins to Export Position Price Spreads (Per Bushel)

Commodity	OriginDestination	This week	Last week
Corn	IL Gulf	-0.36	-0.37
Corn	NE Gulf	-0.43	-0.44
Soybean	IA Gulf	-0.55	-0.49
HRW	KS Gulf	-0.63	-0.46
HRS	ND Portland	-1.08	-1.06

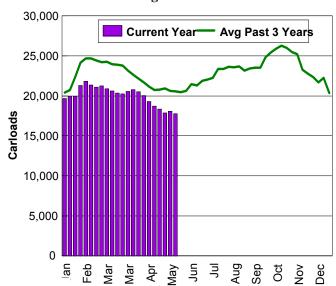
The **Grain Bid Summary** illustrates the market relationships for commodities. Positive and negative adjustments in differential between terminal and futures markets, and the relationship to inland market points, are indicators of changes in fundamental market supply and demand. The map may be used to monitor market and time differentials.



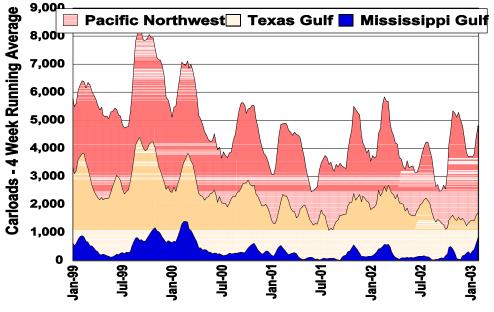
RAIL TRANSPORTATION

Rail Deliverie	s to Port (C	arloads)			
	Mississippi Gulf*	Texas Gulf	Pacific Northwest	Atlantic & East Gulf	Total
Week Ending:					
06/18/03	480	1,723	1,879	146	4,228
06/25/03	14	2,230	2,159	512	4,915
YTD 2003	8,900	31,896	75,120	10,055	125,971
YTD 2002	6,505	50,411	52,906	13,289	123,111
% YTD 2002	137%	63%	142%	76%	102%
Total 2002	11,112	83,799	111,719	21,551	228,181
Total 2001	10,022	81,804	111,376	26,604	229,806
Source: Transport	ation & Marke	ting/AM	S/USDA; (*)	Incomplete Da	ta

Grain Car Loadings for Class I Railroads



Rail Deliveries to Port



Railroads originate approximately 40% of U.S. grain shipments. Trends in these loadings are indicative of market conditions and expectations.

Class I Rail Carrier Grain Car Bulletin (Grain Carloads Originated and Grain Service Index)

	E	ast		West		U.S. Total	Canada	
	CSXT	NS	BNSF	KCS	UP	U.S. Total	CN	CP
06/28/03	2,568	3,038	6,771	563	6,206	19,146	3,418	4,124
This Week Last Year	2,579	2,880	7,074	584	6,738	19,855	3,806	4,082
2003 YTD	71,922	83,036	185,850	8,778	166,530	516,116	87,010	88,836
2002 YTD	73,704	80,993	187,743	15,006	172,572	66,390	105,869	93,010
% of Last Year	98%	103%	99%	58%	96%	777%	82%	96%
2002 Total	142,760	164,745	400,179	27,161	344,296	1,079,141	191,835	195,765

<u>U.S. Rail Covered Hopper Cars Online Index</u>*
June-03 94.1 96.1

Source: Association of American Railroads; *Base Year = 2001, Index based on Number of Covered Hopper Cars Online (available for Service).

88.5

91.0

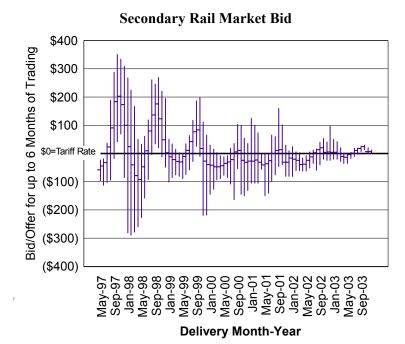
91.3

92.5

Rail service may be ordered directly from the railroad via **Auction** for guaranteed service or tariff for non-guaranteed service, or through the secondary market. The **Secondary Rail Market** information reflects trade values for service that was originally purchased from the railroad carrier as some form of guaranteed freight. The auction and secondary rail values are indicators of rail service quality and demand/supply.

Average Premium/Disc	count to Tariff, \$/	Car - Last A	uction
Delivery for:	Aug-03	Sep-03	Oct-03
COT/N. Grain	\$43	\$48	\$29
COT/S. Grain	\$0	\$0	\$9
GCAS/Region 1	\$1	no bid	\$1
GCAS/Region 2	\$1	\$1	\$3

Secondary Rail Car Market Average Premium/Discount to Tariff, \$/Car - Last Week						
	Delivery Period					
	Jul-03	Aug-03	Sep-03	Oct-03		
BNSF-GF	\$40	\$46	\$48	\$47		
UP-Pool	\$14	\$25	\$24	\$32		



Tariff Rail Rates for Unit Train Shipments

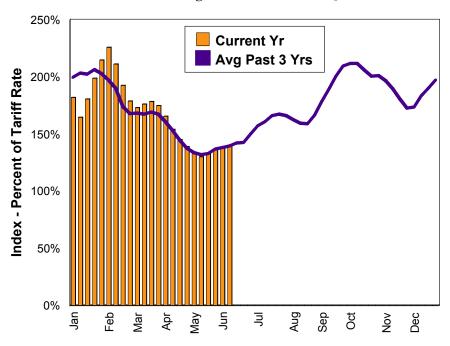
June 2003

Source: www.bnsf.com. approximate load per car = 100 tons: Corn 56 lbs/bu. Wheat & Soybeans 60 lbs/bu*

Date	Tariff				Rate	Rate Per	Rate/Per
Effective	Item	Commodity	Origin	Destination	Per Car	MT	Bushel*
06/02/03	113710	Wheat	Kansas City, MO	Galveston, TX	\$1,720	\$18.96	\$0.52
06/02/03	43521	Wheat	Minneapolis, MN	Portland, OR	\$4,148	\$45.72	\$1.24
06/02/03	46540	Wheat	St. Louis, MO	Houston, TX	\$1,795	\$19.79	\$0.54
06/02/03	113710	Wheat	Kansas City, MO	Laredo, TX	\$2,180	\$24.03	\$0.65
06/02/03	15507	Wheat	Chicago, IL	Albany, NY	\$1,834	\$20.22	\$0.55
06/02/03	31005	Corn	Minneapolis, MN	Portland, OR	\$3,050	\$33.62	\$0.85
06/02/03	1132.002	Corn	Chicago, IL	Baton Rouge, LA	\$1,845	\$20.34	\$0.52
06/02/03	1132.03	Corn	Council Bluffs, IA	Baton Rouge, LA	\$1,970	\$21.72	\$0.55
06/02/03	113210	Corn	Evansville, IN	Raleigh, NC	\$1,816	\$20.02	\$0.51
06/02/03	1132	Corn	Des Moines, IA	Laredo, TX	\$2,595	\$28.60	\$0.73
06/02/03	61110	Soybean	Minneapolis, MN	Portland, OR	\$3,030	\$33.40	\$0.91
06/02/03	1144	Soybeans	Chicago, IL	Baton Rouge, LA	\$2,736	\$30.16	\$0.82
06/02/03	1144	Soybeans	Council Bluffs, IA	Baton Rouge, LA	\$2,799	\$30.85	\$0.84
06/02/03	1144	Soybeans	Des Moines, IA	Laredo, TX	\$2,864	\$31.57	\$0.86
06/02/03	11441	Soybeans	Evansville, IN	Raleigh, NC	\$1,816	\$20.02	\$0.54

BARGE TRANSPORTATION

Illinois River Barge Rate Index - Rate Quotes



The Illinois River Barge Rate Index averaged 183% of the Benchmark Tariff Rate between 1999 and 2001, based on weekly market quotes. The Index, along with Rate Quotes and Futures Market bids are indicators of grain transport supply and demand.

Calculating **Barge Rate** Per Ton: Index × 1976 Tariff Benchmark Rate per Ton

Select applicable index from market quotes included in tables on this page. The 1976 benchmark rates per ton are provided in map below.

BARGE RATE Q Index=Percent of T			0	
	7/2/03	6/25/03	Aug '03	Oct '03
Twin Cities	216	202	210	254
Mid-Mississippi	169	167	173	236
Illinois River	160	157	165	226
St. Louis	108	111	143	202
Lower Ohio	115	113	148	222
Cairo-Memphis	100	102	190	253
Source: Transportation	n & Marketing	/AMS/USDA	Λ	

BARGE FUTURES MARKET

Source: St. Louis Merchants Exchange

Southbound Barge Freight Nominal/Cash Basis Values
Index=Percent of Tariff, Based on 1976 Tariff Benchmark Rate

		Combinat	Rate		
Week ended	River/Region	Contract Period	Futures	Cash	
7/08/03	St. Louis	Aug	n/a	143	
		Oct	n/a	210	
		Dec	n/a	135	
		Feb	n/a	135	
		Mar	n/a	135	
	Illinois River	Aug	n/a	165	
		Oct	n/a	230	
		Dec	n/a	175	
		Feb	n/a	185	
		Mar	n/a	165	

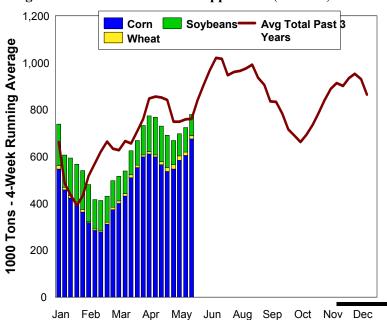
Barge Benchmark Tariff
Rates
Est. 1976 - Tariff No. 7'

Barge Benchmark Tariff
Rates
St. Louis
3.99

Memphis 4.04

Greenville
2.29

Barge Movements on the Mississippi River (Lock 27)

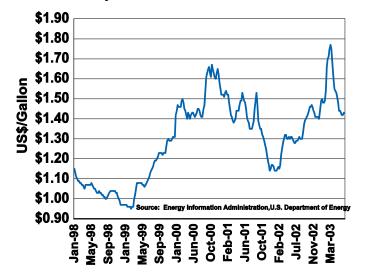


	<u>Corn</u>	Wht	Sybn	<u>Total</u>
Mississippi River				
Rock Island, IL (L15)	431	15	44	494
Winfield, MO (L25)	604	20	81	709
Alton, IL (L26)	802	26	95	928
Granite City, IL (L27)	789	23	101	918
Illinois River (L8)	176	8	16	200
Ohio River (L52)	11	6	2	18
Arkansas River (L1)	0	3	0	0
2003 YTD	14,444	836	4,450	20,170
2002 YTD	17,521	1,093	5,378	24,567
% of 2002 YTD	82%	77%	83%	82%
Total 2001	31,878	2,679	10,616	47,091

YTD and Calendar year total includes Miss/27, Ohio/52 and Ark/1

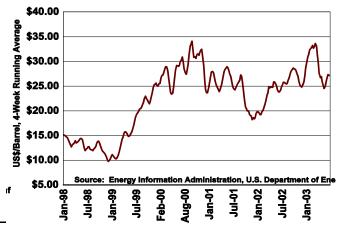
TRUCK TRANSPORTATION

Weekly U.S. Retail Road Diesel Price



The weekly **Diesel Price** provides a proxy for trends in U.S truck rates. Diesel fuel is a significant expense for truck grain movements, accounting for 37% of the estimated variable cost. **Crude Oil Price** is an indicator in future diesel price trends.

Weekly Brent Crude Price, Friday Close



Crude Oil Prices (07/08/03) US\$ per Barrel	This Week	<u>Last Week</u>	
Light Sweet Crude (NYMEX)	29.64	29.72	•
Brent Crude	27.70	27.93	•

Note: Light Sweet Crude is exchanged on the New York Mercantile Exchange. North Sea oil has a "benchmark" role in crude oil pricing. Brent crude, a blend of North Sea oils, is traded on the International Petroleum Exchange in London.

Source: www.eia.doe.gov; *U.S. Refiner Crude Acquisition Cost, Composite Domestic & Import

GRAIN EXPORTS

U.S. Export Balances	(1,000 M	letric T	ons)						
				Wheat			Corn*	Soybean*	Total
	HRW	SRW	HRS	SW W	DUR	All			
06/26/2003	1,793	403	1,317	552	135	4,199	6,063	4,239	14,501
This Week Year Ago	1,137	396	1,043	515	182	3,272	6,623	2,574	12,469
Commulative Exports-Crop Year									
03/04 YTD	610	98	271	196	8 1	1,255	32,836	26,917	61,008
02/03 YTD	551	226	240	258	32	1,307	38,618	26,916	66,841
01/02 Total	8,761	5,485	5,582	3,175	1,133	24,135	48,003	29,926	102,064
00/01 Total	9,314	4,445	5,775	5,156	1,130	25,819	47,734	27,567	101,120
99/00 Total	10,629	4,195	5,590	4,055	984	25,453	48,760	26,972	101,185
Source: Foreign Agricult	ural Servic	e YTD-Y	ear-to-I	Date (www	w.fas.usda	a.gov)			

	Pac	cific Reg	ion	Mis	sissippi (<u>Gulf</u>	Texas Gulf Po		ort Region Total			
	Wheat	Corn	Soybn	Wheat	Corn	Soybn	Wheat	Corn	Soybn	Pacific	Mississippi	Texas
07/03/03	130	0	35	72	569	148	130	0	0	165	789	130
2003 YTD	4,160	2,618	2,557	2,089	14,308	9,545	2,422	529	50	9,335	25,942	3,001
2002 YTD	4,266	2,289	1,321	3,045	19,802	9,646	3,163	138	247	7,876	32,493	3,548
% of 2002 YTD	98%	114%	194%	69%	72%	99%	77%	383%	20%	119%	80%	85%
2002 Total	10,007	5,877	1,639	6,829	34,991	17,996	6,971	468	468	17,523	59,816	7,906

U.S. Grain Inspected for Export



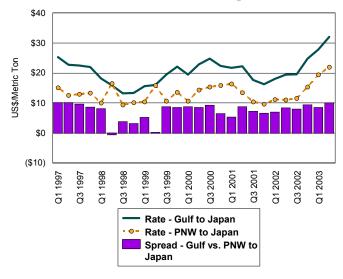
Select Canadian Port Export Inspections 1,000 Metric Tons, Week End Summary								
06/19/2003 Vancouver	Wheat 105	<u>Durum</u> 5	Barley					
Prince Rupert								
Prairie Direct	5							
Thunder Bay	18							
St. Lawrence	4,492	2,329	290					
2001/02 YTD	10,666	2,963	961					
2002/03 YTD	4,620	2,334	290					
% of Last Year	43%	79%	30%					
Source: Canadian Gr	ains Commis	sion, Crop Yea	ır 8/1-7/31					

Port Region Ocean Grain Vessels								
		Gulf		Pacific Northwest	Vancouver B.C.			
		Loaded	Due Next	-				
	In Port	7-Days	<u>10-Days</u>	In Port	In Port			
06/26/03	28	40	65	3	8			
07/03/03	29	40	61	5	7			
2002								
Range	(1555)	(3366)	(4482)	(315)	(012)			
2002 Avg	35	51	65	8	5			
Source: Trans	Source: Transportation & Marketing /AMS/ USDA							

Gulf Port Region Grain Vessel Loading Past 7 Days



Grain Vessel Rates to Japan



Quarterly Average R				, U.S. Dollars/Metric	Ton	
		2002 2 nd Qtr	% Change	2 nd Qtr	2002 2 nd Qtr	% Change
Gulf to				Pacific NW to		
Japan	\$31.53	\$19.43	62%	Japan \$19.33	\$11.03	75%
Mexico	-	\$46.92	-			
N. Europe	\$18.98	\$13.58	40%	Argentina/Brazil to	D	
N. Africa				Med. Sea \$24.50		44%
	•	*				
Med. Sea	\$21.88	\$12.62	73%	N. Europe -	\$17.16	-
				China \$32.50	-	-
Source: Tra	nsportation	on & Marl	keting/AM	S/USDA		

Ocean Freight Rates for Selected Shipments - week ending 6/28/03							
Export Region	Import Region	Grain	Month	Volume Loaded (Tons)	Freight Rate (\$Ton)		
PNW	Taiwan	Heavy Grains	Jul 10/20	56,000	\$19.50		
PNW	Taiwan	Heavy Grains	Jul 10/20	56,000	\$19.50		
U.S. Gulf	Laffiteau, Haiti	Wheat	Jul 10/20	9,850	\$60.75*		
U.S. Gulf	Japan	Heavy Grain	Jul 1/5	54,000	\$30.00		
U.S. Gulf	Japan	Heavy Grain	Jul 25/30	54,000	\$29.40		
W. Australia	Sudan	Wheat	Jul 1/10	50,000	\$23.00		

Source: Maritime Research Inc.

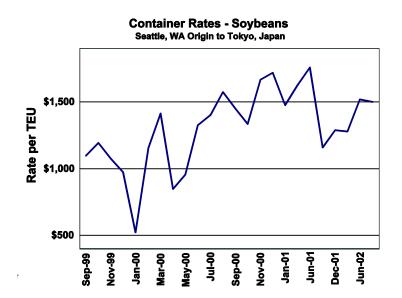
Rates shown are for metric ton (2,204.62 lbs.=one metric ton), F.O.B., except where otherwise indicated; op=option

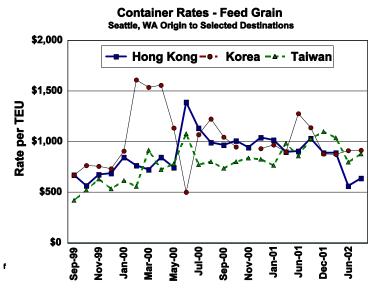
*Most food aid from the United States is required to be shipped on U.S. flag vessels. The vessels are of limited availability resulting in higher rates. In addition, destinations receiving food aid generally lack adequate port unloading facilities, requiring the vessel to remain in port for a longer duration than normal.

CONTAINER

Container Ocean Freight Rates Average Rate per TEU, Weighed by Shipping

Line Market Share Source: Transportation & Marketing/AMS/USDA, Quarterly Updates





Approximately 420,000 MT of grain and oilseed exports were marketed via container in 2001. This volume increased 26% compared to 1997.